

## **Soil and Water Remediation, Groundwater/Vadose Zone (RL-0030)**

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*Groundwater Well Sampling*

## Overview

This section addresses Project Baseline Summary (PBS) RL-0030, *Soil and Water Remediation, Groundwater/Vadose Zone*.

NOTE: Unless otherwise noted, all information contained herein is as of the end of January 2008.

## Notable Accomplishments

- **River Corridor**
  - Initiated remediation optimization evaluation in support of the final groundwater remedy for 100-D.
  - Completed 10 of 18 wells for the 100-KR-4 pump and treat expansion, with six additional wells in progress.
  - Received construction bids for the 100-KR-4 pump and treat expansion; contract to be awarded in March 2008.
- **Central Plateau**
  - Issued contract to develop pre-conceptual design for the final remedy for carbon tetrachloride and technetium 99 groundwater contamination.
  - Completed two of planned nine characterization wells for 200-BP-5 Operable Unit (OU); three additional wells in progress.
  - Continued drilling on two characterization wells for 200-UP-1 OU, and initiated drilling on two additional wells. A total of six characterization wells are planned this fiscal year.
  - Continued drilling three wells for 200-ZP-1 OU.
- **Integration**
  - Fiscal year to date, sampled 27 percent of baseline wells (646 of 2403).
  - To date, administratively decommissioned 2,313 wells.

## FY 2008 Funds vs. Spend Forecast (\$M)

	Projected FY 2008 Funding	FY 2008 Fiscal Year Spending Forecast	Variance
Soil and Water Remediation, Groundwater/ Vadose Zone	\$ 115.3	\$ 113.8	\$ 1.5

## Schedule/Cost Performance (\$M)

Soil & Water Remediation, Groundwater/Vadose Zone	Budgeted Cost of Work Scheduled	Budgeted Cost of Work Performed	Actual Cost of Work Performed	Schedule Variance \$	Schedule Variance %	Cost Variance \$	Cost Variance %	Budget At Completion (FY08/CTD)
Current Period (Month)	\$8.2	\$7.9	\$6.9	-\$0.3	-3.5%	\$0.9	12.0%	\$103.2
Cumulative-to-Date (FY 2004-Present)	\$237.6	\$229.4	\$228.7	-\$8.2	-3.5%	\$0.7	0.3%	\$311.8

Numbers are rounded to the nearest \$0.1M and include the Closure Services allocation.

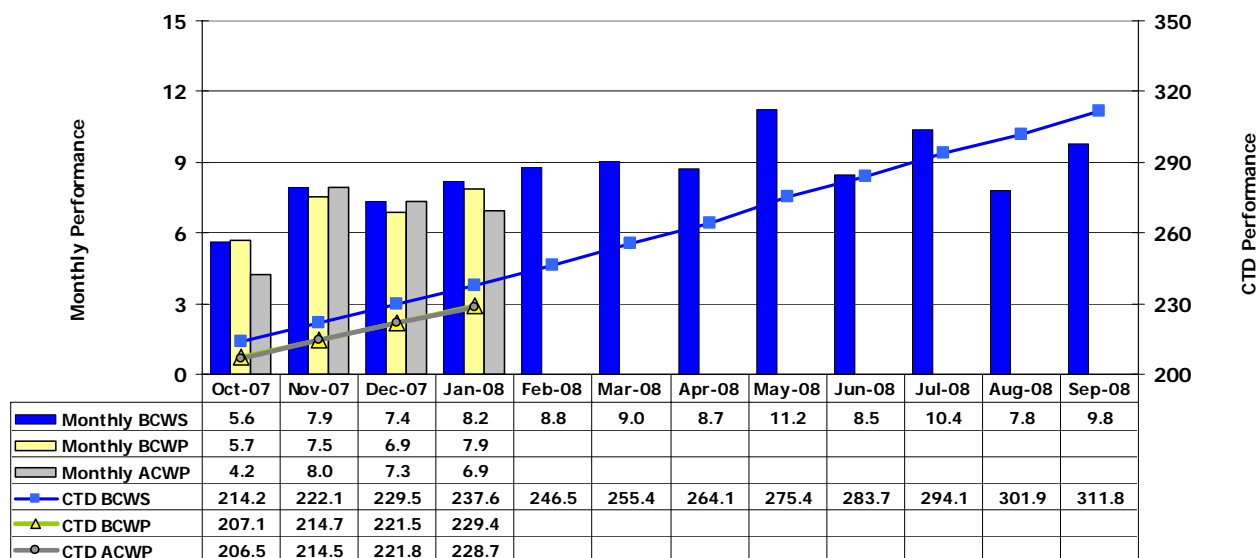
### CTD Schedule Performance (-\$8.2M/-3.5%):

- The CTD schedule variance is primarily due to well drilling delays, a not yet implemented new approach for strategic planning and technology development, and delayed analysis of groundwater samples. Corrective actions are underway in all areas; approximately \$1.0M of sample analyses and data validation will be carried over into FY 2009.

### CTD Cost Performance (+\$0.7M/+0.3%):

- Insignificant

### Performance Analysis CTD and Monthly (\$M)



## Milestone Achievement

Hanford Federal Facility Agreement and Consent Order (Tri-Party Agreement) milestones represent significant events in project execution. DOE Enforceable Agreement milestones were established to provide high-level visibility to critical deliverables and specific status on the accomplishment of these key events. The FY 2008 Enforceable Agreement milestone information provided herein is based upon the current baseline including RL-approved changes. Changes from month-to-month in both the total number of milestones to be completed and in the forecast status of upcoming milestones are the result of BCRs approved during the reporting period.

Number	Milestone Title	Type	Due Date	Actual Date	Forecast Date	Status/Comments
M-013-06B	Submit the 200-BP-5 OU RI/FS Work Plan to EPA	TPA	3/31/07	3/30/07		Complete
M-016-14A	Complete Construction of a 300 foot Permeable Reactive Barrier Utilizing Apatite Sequestration at 100-N	TPA	5/31/07	3/25/07		Complete
M-015-48B	Submit the 200-ZP-1 OU Feasibility Study Report / Proposed Plan to EPA	TPA	9/30/07	9/13/07		Complete
M-013-10A	Submit the 200-PO-1 OU Remedial Investigation/Feasibility Study to Ecology	TPA	9/30/07	8/22/07		Complete
M-024-57M	Install a Cumulative of 60 Wells	TPA	12/31/07	4/6/07		Complete
M-015-50	Submit a Treatability Work Plan for Deep Vadose Zone Technetium and Uranium to Ecology and EPA	TPA	12/31/07	12/22/07		Complete
M-016-14B	Submit Draft CERCLA Proposed Plan for 100-NR-2	TPA	8/31/08		8/31/08	On Schedule